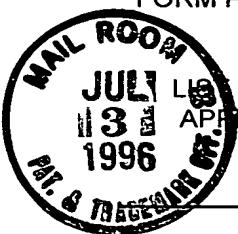


FORM PTO-1449 (Modified)

ATTY. DOCKET NO.  
6362-9380USSERIAL NO.  
07/938,154
 LIST OF PATENTS AND PUBLICATIONS FOR  
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 STATEMENT
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HARPOLD *et al.*FILING DATE  
April 3, 1991GROUP  
1812

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
J8m	A	4	8	3	7	1	4	8	6/6/89	Cregg	435	172	10/30/84
	B	4	8	5	5	2	3	1	8/8/89	Stroman <i>et al.</i>	435	68	9/25/85
	C	4	8	5	9	6	0	9	8/22/89	Dull <i>et al.</i>	436	501	11/30/88
	D	4	8	8	2	2	7	9	11/21/89	Cregg	435	68	10/25/85
	E	4	9	2	9	5	5	5	5/29/90	Cregg <i>et al.</i>	435	172	10/19/87
	F	4	9	8	1	7	8	4	1/1/91	Evans <i>et al.</i>	435	6	11/16/89
	G	5	0	2	4	9	3	9	6/18/91	Gorman	435	69	9/25/87
	H	5	0	7	1	7	7	3	12/10/91	Evans <i>et al.</i>	436	501	10/20/87
	I	5	0	9	1	5	1	8	2/25/92	Sucov <i>et al.</i>	536	27	4/30/86
	J	5	3	6	9	0	2	8	11/29/94	Harpold <i>et al.</i>	435	252	4/3/90
	K	5	3	8	6	0	2	5	01/31/95	Jay <i>et al.</i>	536	24	02/90
	L	5	4	0	1	6	2	9	3/28/95	Harpold <i>et al.</i>	435	6	8/7/90
	M	5	4	3	6	1	2	8	7/25/95	Harpold <i>et al.</i>	435	6	1/27/93

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation	
													YES	NO
J8m	N	0	3	2	5	8	4	9	8/89	EPO	--	--		
	O	8	8	0	3	1	6	8	5/88	PCT	--	--		
	P	8	9	0	9	8	3	4	10/19/89	PCT	--	--		
	Q	9	0	1	0	6	4	8	9/20/90	PCT	--	--		
	R	9	1	0	6	6	7	7	5/91	PCT	--	--		
	S	9	1	1	5	6	0	2	10/17/91	PCT	--	--		
	T	9	2	0	2	6	3	9	02/20/92	PCT	--	--		
	U	9	5	1	3	2	9	9	5/18/95	PCT	--	--		

EXAMINER

John R. Cline

DATE CONSIDERED

8-13-96

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87	V	Akong <i>et al.</i> , Characterization of nicotinic acetylcholine receptors in a human neuroblastoma cell line, <i>FASEB J.</i> , 4(3):A737 (1990)
	W	Alam <i>et al.</i> , Reporter genes: Application to the study of mammalian gene transcription, <i>Anal. Biochem.</i> 188:245-254 (1990)
	X	Allard, et al., Sequence of the gene encoding the human M1 muscarinic acetylcholine receptor, <i>Nucl. Acids Res.</i> 15:10604 (1987)
	Y	Alton and Vapnek, Nucleotide sequence analysis of the chloramphenicol resistance transposon Tn9, <i>Nature</i> 282:864-869 (1979)
	Z	Anand <i>et al.</i> , Nucleotide sequence of the human nicotinic acetylcholine receptor $\beta_2$ subunit gene, <i>Nucleic Acids Res.</i> 18(14):4272 (1990)
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	AD	Beeson <i>et al.</i> , The human muscle nicotinic acetylcholine receptor $\alpha$ -subunit exists as two isoforms: a novel exon, <i>EMBO J.</i> 9(7):2101-2106 (1990)
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	AF	BIOSIS abstract # 88119253, Levy <i>et al.</i> , Cytoplasmic activation of ISGF3 the positive regulator of interferon-alpha-stimulated transcription reconstituted <i>in vitro</i> , <i>Genes Dev.</i> 3(9):1362-1371 (1989)
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EXAMINER

John A. U'...

DATE CONSIDERED

8-13-86

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	AY	Conti-Tronconi <i>et al.</i> , Brain and muscle nicotinic acetylcholine receptors are different but homologous proteins, <i>Proc. Natl. Acad. Sci. USA</i> 82:5208-5212 (1985)

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	BF	Deneris <i>et al.</i> , Pharmacological and functional diversity of neuronal nicotinic acetylcholine receptors, <i>Trends Pharmacol. Sci.</i> 12:34-40 (1991)
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✓	BN	Duvoisin <i>et al.</i> , The functional diversity of the neuronal nicotinic acetylcholine receptors is increased by a novel subunit: $\beta 4$ , <i>Neuron</i> 3:487-496 (1989)

EXAMINER

John R. Ullman

DATE CONSIDERED

8-13-96

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## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) - Continued

[initials]	BO	Elliott <i>et al.</i> , Cloning and functional expression of human neuronal nicotinic acetylcholine receptor subunits $\alpha 2$ , $\alpha 3$ , $\alpha 4$ , $\alpha 7$ , $\beta 2$ and $\beta 4$ , <i>Soc. Neurosci. Abstr.</i> 19(1-3):69 (1993)
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[initials]	BT	<del>EMBASE abstract # 90191445, Kouzandes <i>et al.</i>, Behind the fos and jun-leucine zipper. <i>Cancer Cells</i> 1(3):71-76 (1989)</del>
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[initials]	BX	Firtel <i>et al.</i> , G protein linked signal transduction pathways in development: <i>Dictyostelium</i> as an experimental system, <i>Cell</i> 58:235-239 (1989)
[initials]	BY	Fornasari <i>et al.</i> , Molecular cloning of human neuronal nicotinic receptor $\alpha_3$ -subunit, <i>Neurosci. Ltrrs.</i> 111:351-356 (1990)
[initials]	BZ	Frielle <i>et al.</i> , Cloning of the cDNA for the human $\beta_1$ -adrenergic receptor, <i>Proc. Natl. Acad. Sci. USA</i> 84:7920-7924 (1987)
[initials]	CA	Gautam <i>et al.</i> , A G protein gamma subunit shares homology with <i>ras</i> proteins, <i>Science</i> 244:971-974 (1989)
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EXAMINER [signature]	DATE CONSIDERED 8-13-90
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✓	CS	Klein <i>et al.</i> , A chemoattractant receptor controls development in <i>Dictyostelium discoideum</i> , <i>Science</i> 241:1467-1472 (1988)

EXAMINER <i>Jol - R C I</i>	DATE CONSIDERED <i>8-13-96</i>
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1	CU	Kobilka <i>et al.</i> , An intronless gene encoding a potential member of the family of receptors coupled to guanine nucleotide regulatory proteins, <i>Nature</i> 329:75-79 (1987)
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	CZ	Lathe, Synthetic oligonucleotide probes deduced from amino acid sequence data theoretical and practical considerations, <i>J. Mol. Biol.</i> 183:1-12 (1984)
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John P. Cline

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gm	DI	McKinnon, D., Isolation of a cDNA clone coding for a putative second potassium channel indicates the existence of a gene family, <i>J. Biol. Chem.</i> 264:8230-8236 (1989)
	DJ	Mechti <i>et al.</i> , Sequence requirements for premature transcription arrest within the first intron of the mouse <i>c-fos</i> gene, <i>Mol. Cell Biol.</i> 11(5):2832-2841 (1991)
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	DM	Montminy <i>et al.</i> , Identification of a cyclic-AMP-responsive element within the rat somatostatin gene, <i>Proc. Natl. Acad. Sci. USA</i> 83:6682-6686 (1986)
	DN	Morgan <i>et al.</i> , Stimulus-transcription coupling in neurons: Role of cellular immediate-early genes, <i>Trends Neurosci.</i> 12(11):459-462 (1989)
	DO	Nash <i>et al.</i> , Molecular cloning of human neuronal nicotinic acetylcholine receptor subunits, <i>Neurobiol. Neurochem.</i> 4(7):A2153 (1990)
	DP	Nash <i>et al.</i> , Molecular cloning and expression of human neuronal nicotinic acetylcholine receptor subunits, <i>Soc. Neurosci. Abstr.</i> 16:10 (1990)
	DQ	Nef <i>et al.</i> , Genes expressed in the brain define three distinct neuronal nicotinic acetylcholine receptors, <i>EMBO J.</i> 7(3):595-601 (1988)
	DR	Nielsen <i>et al.</i> , A highly sensitive, mixed assay for chloramphenicol acetyltransferase activity in transfected cells, <i>Anal. Biochem.</i> 179:19-23 (1989)
	DS	Noda <i>et al.</i> , Expression of functional sodium channels from cloned cDNA, <i>Nature</i> 322:826-828 (1986)
	DT	Noda <i>et al.</i> , Existence of distinct sodium channel messenger RNAs in rat brain, <i>Nature</i> 320:188-192 (1986)
	DU	Nordeen, Luciferase reporter gene vectors for analysis of promoters and enhancers, <i>BioTechniques</i> 6(5):454-456 (1988)
	DV	Papke <i>et al.</i> , The role of the $\beta_4$ -subunit in determining the kinetic properties of rat neuronal nicotinic acetylcholine $\alpha_3$ -receptors, <i>J. Physiol.</i> 440:95-112 (1991)
	DW	Patrick <i>et al.</i> , Acetylcholine receptor metabolism in a nonfusing muscle cell line, <i>J. Biol. Chem.</i> 252(6):2143-2153 (1977)
✓	DX	Peralta <i>et al.</i> , Distinct primary structures, ligand-binding properties and tissue-specific expression of four human muscarinic acetylcholine receptors, <i>EMBO J.</i> 6(13):3923-3929 (1987)

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FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 6362-9380US	SERIAL NO. 07/938,154
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT: HARPOLD <i>et al.</i>	
	FILING DATE April 3, 1991	GROUP 1812

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) - Continued

J	DY	Peralta <i>et al.</i> , Differential regulation of PI hydrolysis and adenylyl cyclase by muscarinic receptor subtypes, <i>Nature</i> , 334:434-437 (1988)
	DZ	Pritchett <i>et al.</i> , Importance of a novel GABA <sub>A</sub> receptor subunit for benzodiazepine pharmacology, <i>Nature</i> , 338:582-585 (1989)
	EA	Quik <i>et al.</i> , Neuronal nicotinic $\alpha$ -bungarotoxin sites, <i>Can. J. Physiol. Pharmacol.</i> 66:971-979 (1988)
	EB	Rao <i>et al.</i> , <i>In vitro</i> characterization of SIB-1765F, a novel nicotinic agonist, <i>Soc. Neurosci. Abstr.</i> (1995)
	EC	Receptor Genetics, Inc. (file of correspondence with SIBIA)
	ED	Revah <i>et al.</i> , Mutations in the channel domain alter desensitization of a neuronal nicotinic receptor, <i>Nature</i> 353:846-849 (1991)
	EE	Riabowol <i>et al.</i> , The catalytic subunit of cAMP-dependent protein kinase induces expression of genes containing cAMP-responsive enhancer elements, <i>Nature</i> 336:83-86 (1988)
	EF	Ruth <i>et al.</i> , Primary structure of the $\beta$ subunit of the DHP-sensitive calcium channel from skeletal muscle, <i>Science</i> , 245:1115-1118 (1989)
✓	EG	Sacaan <i>et al.</i> , Effect of ( $\pm$ )-epibatidine on the release of catecholamines: Biochemical and behavioral evidence in rats, <i>Soc. Neurosci. Abstr.</i> (1995)
	EH	<del>Sambrook <i>et al.</i>, <i>Molecular Cloning. A Laboratory Manual</i>, 2d Ed., Cold Spring Harbor Laboratory Press (1989)</del>
J	EI	Sassone-Corsi <i>et al.</i> , Induction of proto-oncogene <i>fos</i> transcription through the adenylate cyclase pathway: characterization of a cAMP-responsive element, <i>Genes Dev.</i> 2:1529-1538 (1988)
	EJ	Schoepfer <i>et al.</i> , The human medulloblastoma cell line TE671 expresses a muscle-like acetylcholine receptor, <i>FEBS Ltrs.</i> 226(2):235-240 (1988)
	EK	Schoepfer <i>et al.</i> , cDNA clones coding for the structural subunit of a chicken brain nicotinic acetylcholine receptor, <i>Neuron</i> 1:241-248 (1988)
	EL	Schoepfer <i>et al.</i> , Brain $\alpha$ -bungarotoxin binding protein cDNAs and MAbS reveal subtypes of this branch of the ligand-gated ion channel gene superfamily, <i>Neuron</i> 5:35-48 (1990)
	EM	Schoepfer <i>et al.</i> , <i>Molecular Biology of Neuroreceptors and Ion Channels</i> Maelicke, A. (Ed.), NATO-ASI Series, Springer Verlag, Heidelberg (1989)
✓	EN	Schofield <i>et al.</i> , Sequence and functional expression of the GABA <sub>A</sub> receptor shows a ligand-gated receptor super-family, <i>Nature</i> 328:221-227 (1987)

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## LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) - Continued

92	EO	Serra <i>et al.</i> , The intact human neuroblastoma cell (SH-SY5Y) exhibits high-affinity [ <sup>3</sup> H]pirenzepine binding associated with hydrolysis of a phosphatidylinositols, <i>J. Neurochem.</i> 50:1513-1521 (1988)
	EP	Serra <i>et al.</i> , Phorbol esters alter muscarinic receptor binding and inhibit polyphosphoinositide breakdown in human neuroblastoma (SH-SY5Y) cells, <i>Biochem. Biophys. Res. Comm.</i> 140:160-166 (1988)
	EQ	Sheng <i>et al.</i> , The regulation and function of c-fos and other immediate early genes in the nervous system, <i>Neuron</i> 4:477-485 (1990)
	ER	Shivers, B.D., Two novel GABA <sub>A</sub> receptor subunits exist in distinct neuronal subpopulations, <i>Neuron</i> 3:327-337 (1989)
	ES	Short <i>et al.</i> , Characterization of the phosphoenolpyruvate carboxykinase (GTP) promoter-regulatory region, <i>J. Biol. Chem.</i> 261:9721-9726 (1986)
	ET	Stauderman <i>et al.</i> , Chacterization of recombinant human neuronal nicotinic acetylcholine receptor subtypes $\alpha 4\beta 4$ and $\alpha 2\beta 4$ stably expressed in HEK293 cells, <i>Soc. Neurosci. Abstr.</i> (1995)
	EU	Stillman <i>et al.</i> , Replication and supercoiling of simian virus 40 DNA in cell extracts from human cells, <i>Mol. Cell Biol.</i> 5:2051-2060 (1985)
	EV	Stormann <i>et al.</i> , Molecular cloning and expression of a dopamine D2 receptor from human retina, <i>Molec. Pharm.</i> 37:1-6 (1990)
	EW	Strader <i>et al.</i> , Structural basis of $\beta$ -adrenergic receptor function, <i>FASEB J.</i> 3:1825-1832 (1989)
	EX	Stroud <i>et al.</i> , Nicotinic acetylcholine receptor superfamily of ligand-gated ion channels, <i>Biochemistry</i> 29(50):11009-11023 (1990)
	EY	Stumpo <i>et al.</i> , Identification of c-fos sequences involved in induction by insulin and phorbol esters, <i>J. Biol. Chem.</i> 263(4):1611-1614 (1988).
	EZ	Subramani <i>et al.</i> , Expression of the mouse dihydrofolate reductase complementary deoxyribonucleic acid in simian virus 40 vectors, <i>Mol. Cell Biol.</i> 1:854-864 (1981)
	FA	Sugaya <i>et al.</i> , Nicotinic acetylcholine receptor subtypes in human frontal cortex: Changes in Alzheimer's disease, <i>J. Neurosci. Res.</i> 27:349-359 (1990)
	FB	Tanabe <i>et al.</i> , Primary structure of the receptor for calcium channel blockers from skeletal muscle, <i>Nature</i> 328:313-318 (1987)
✓	FC	Tempel <i>et al.</i> , Cloning of a probable potassium channel gene from mouse brain, <i>Nature</i> 332:837-839 (1988)

EXAMINER *John R. Cline*DATE CONSIDERED *8-11-96*

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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT: HARPOLD <i>et al.</i>	
	FILING DATE April 3, 1991	GROUP 1812

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) - Continued

J	FD	Toh <i>et al.</i> , Isolation and characterization of a rat liver alkaline phosphatase gene, <i>Eur. J. Biochem.</i> 182:231-238 (1989)
1	FE	Urlaub <i>et al.</i> , Effect of gamma rays at the dihydrofolate reductase locus: Deletions and inversions, <i>Somatic Cell. Molec. Genet.</i> 12(6):555-566 (1986)
	FF	Verma <i>et al.</i> , Proto-oncogene <i>fos</i> : Complex but versatile regulation, <i>Cell</i> 51:513-514 (1987)
	FG	Vernallis <i>et al.</i> , ACHR gene products in chick ciliary ganglia: Transcripts, subunits, and receptor subtypes, <i>Soc. Neurosci. Abstr.</i> 17:23 (1991)
	FH	Visvader <i>et al.</i> , Two adjacent promotor elements mediate nerve growth factor activation of the <i>c-fos</i> gene and bind distinct nuclear complexes, <i>Proc. Natl. Acad. Sci. USA</i> 85:9474-9478 (1988)
	FI	Wada <i>et al.</i> , Functional expression of a new pharmacological subtype of brain nicotinic acetylcholine receptor, <i>Science</i> 240:330-334 (1988)
	FJ	Wada <i>et al.</i> , Distribution of Alpha2, Alpha3, Alpha4, and Beta2 neuronal nicotinic receptor subunit mRNAs in the central nervous system: A hybridization histochemical study in the rat, <i>J. Comp. Neurol.</i> 284:314-335 (1989)
	FK	Whiting <i>et al.</i> , Structurally different neuronal nicotinic acetylcholine receptor subtypes purified and characterized using monoclonal antibodies, <i>J. Neurosci.</i> 7(12):4005-4016 (1987)
	FL	Whiting <i>et al.</i> , Purification and characterization of a nicotinic acetylcholine receptor from rat brain, <i>Proc. Natl. Acad. Sci. USA</i> 84:595-599 (1987)
	FM	Whiting <i>et al.</i> , Affinity labelling of neuronal acetylcholine receptors localizes acetylcholine-binding sites to their $\beta$ -subunits, <i>FEBS Ltrs.</i> 213(1):55-60 (1987)
	FN	Whiting <i>et al.</i> , Neuronal nicotinic acetylcholine receptor $\beta$ -subunit is coded for by the cDNA clone $\alpha_4$ , <i>FEBS Ltrs.</i> 213(1):459-463 (1987)
	FO	Whiting <i>et al.</i> , Expression of nicotinic acetylcholine receptor subtypes in brain and retina, <i>Mol. Brain Res.</i> 10:61-70 (1991)
	FP	Whiting <i>et al.</i> , Structural and pharmacological characterization of the major brain nicotinic acetylcholine receptor subtype stably expressed in mouse fibroblasts, <i>Mol. Pharmacol.</i> 40:463-472 (1991)
	FQ	Wigler <i>et al.</i> , DNA-mediated transfer of the adenine phosphoribosyltransferase locus into mammalian cells, <i>Proc. Natl. Acad. Sci. USA</i> 76:1373-1376 (1979)
	FR	Wilson <i>et al.</i> , Inhibitory action of nicotinic antagonists on transmitter release at the neuromuscular junction of the rat, <i>Neurosci. Ltrs.</i> 186:29-32 (1995)

EXAMINER

Dana R. Clark

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